

Ms. Nina Anderson
Inspectorate America Corporation
12000 Aerospace Ave, Suite 200
Houston TX 77034-5576

Report Number: 69447

Revision: Rev. 0

Re: Sprague Energy (Project No: 042011)

Enclosed are the results of the analyses on your sample(s). Samples were received on 06 April 2011 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

<u>Lab Number</u>	<u>Sample Date</u>	<u>Station Location</u>	<u>Analysis</u>	<u>Comments</u>
69447-1	04/06/11	Everette-148-1	EPA 8260 Volatile Organics	
69447-2	04/06/11	Everette-148-2	EPA 8260 Volatile Organics	
69447-3	04/06/11	#3 Blank	Electronic Data Deliverable	
	04/06/11	#3 Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Department of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature


Stephen L. Knollmeyer Lab. Director

Date

04/13/2011

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Ms. Nina Anderson
Inspectorate America Corporation
12000 Aerospace Ave, Suite 200
Houston TX 77034-5576

April 12, 2011

SAMPLE DATA

CLIENT SAMPLE ID
Project Name: Sprague Energy
Project Number: 042011
Field Sample ID: Everette-148-1

Lab Sample ID: 69447-1
Matrix: Solid
Percent Solid: 100
Dilution Factor: 89
Collection Date: 04/06/11
Lab Receipt Date: 04/06/11
Analysis Date: 04/08/11

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Limit of Detection (LOD) $\mu\text{g/kg}$	Limit of Quantitation (LOQ) $\mu\text{g/kg}$	Result $\mu\text{g/kg}$	COMPOUND	Limit of Detection (LOD) $\mu\text{g/kg}$	Limit of Quantitation (LOQ) $\mu\text{g/kg}$	Result $\mu\text{g/kg}$
Chloroethane	44	89	U	1,1-Dichloroethane	44	89	U
Chloroform	44	67	U	1,1-Dichloroethene	44	67	U
Chloromethane	44	89	U	1,1-Dichloropropene	44	89	U
cis-1,2-Dichloroethene	44	89	U	1,2,3-Trichlorobenzene	44	89	U
cis-1,3-Dichloropropene	44	89	U	1,2,3-Trichloropropane	44	89	U
Dibromochloromethane	44	67	U	1,2,4-Trichlorobenzene	44	89	U
Dibromomethane	44	89	U	1,2,4-Trimethylbenzene	44	89	77 J
Dichlorodifluoromethane	44	89	U	1,2-Dibromo-3-chloropropane	44	89	U
Ethylbenzene	44	89	U	1,2-Dibromoethane	44	67	U
Freon-113	44	89	U	1,2-Dichlorobenzene	44	89	U
Hexachlorobutadiene	44	89	U	1,2-Dichloroethane	44	67	U
Isopropyl benzene	44	89	U	1,2-Dichloropropane	44	67	U
m,p-Xylene	44	89	85 J	1,3,5-Trimethylbenzene	44	89	U
Methyl-tert-butyl ether (MTBE)	44	67	U	1,3-Dichlorobenzene	44	89	U
Methylene chloride	222	444	U	1,3-Dichloropropane	44	89	U
Naphthalene	44	89	79 J	1,4-Dichlorobenzene	44	89	U
n-Butylbenzene	44	89	U	2,2-Dichloropropane	44	89	U
n-Propylbenzene	44	89	U	Methyl ethyl ketone	444	888	U
o-Xylene	44	89	U	2-Chlorotoluene	44	89	U
sec-Butylbenzene	44	89	U	2-Hexanone	444	888	U
Styrene	44	89	U	4-Chlorotoluene	44	89	U
tert-Butylbenzene	44	89	U	4-Isopropyltoluene	44	89	U
Tetrachloroethene	44	89	U	4-Methyl-2-pentanone	444	888	U
Tetrahydrofuran	222	444	U	Acetone	444	888	U
Toluene	44	89	50 J	Benzene	44	89	U
trans-1,2-Dichloroethene	44	89	U	Bromobenzene	44	89	U
trans-1,3-Dichloropropene	44	89	U	Bromochloromethane	44	89	U
Trichloroethene	44	89	U	Bromodichloromethane	44	67	U
Trichlorofluoromethane	44	89	U	Bromoform	44	67	U
Vinyl chloride	44	89	U	Bromomethane	44	89	U
Xylenes (total)	44	89	U	Carbon Disulfide	44	89	U
1,1,1,2-Tetrachloroethane	44	89	U	Carbon tetrachloride	44	89	U
1,1,1-Trichloroethane	44	89	U	Chlorobenzene	44	89	U
1,1,2,2-Tetrachloroethane	44	67	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	44	67	U	(TIC) n-Hexane	NA	NA	NF
Surrogate Standard Recovery							
Bromofluorobenzene	92%	d4-1,2-Dichloroethane	103%	d8-Toluene	95%		
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank							

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B. Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound. NF=Not Found using NIST library search criteria. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature



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April 12, 2011

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Sprague Energy

Project Number: 042011

Field Sample ID: Everette-148-2

Lab Sample ID: 69447-2

Matrix: Solid

Percent Solid: 100

Dilution Factor: 99

Collection Date: 04/06/11

Lab Receipt Date: 04/06/11

Analysis Date: 04/08/11

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg	COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg
Chloroethane	50	99	U	1,1-Dichloroethane	50	99	U
Chloroform	50	74	U	1,1-Dichloroethene	50	74	U
Chloromethane	50	99	U	1,1-Dichloropropene	50	99	U
cis-1,2-Dichloroethene	50	99	U	1,2,3-Trichlorobenzene	50	99	U
cis-1,3-Dichloropropene	50	99	U	1,2,3-Trichloropropane	50	99	U
Dibromochloromethane	50	74	U	1,2,4-Trichlorobenzene	50	99	U
Dibromomethane	50	99	U	1,2,4-Trimethylbenzene	50	99	58 J
Dichlorodifluoromethane	50	99	U	1,2-Dibromo-3-chloropropane	50	99	U
Ethylbenzene	50	99	U	1,2-Dibromoethane	50	74	U
Freon-113	50	99	U	1,2-Dichlorobenzene	50	99	U
Hexachlorobutadiene	50	99	U	1,2-Dichloroethane	50	74	U
Isopropyl benzene	50	99	U	1,2-Dichloropropane	50	74	U
m,p-Xylene	50	99	69 J	1,3,5-Trimethylbenzene	50	99	U
Methyl-tert-butyl ether (MTBE)	50	74	U	1,3-Dichlorobenzene	50	99	U
Methylene chloride	248	496	U	1,3-Dichloropropane	50	99	U
Naphthalene	50	99	56 J	1,4-Dichlorobenzene	50	99	U
n-Butylbenzene	50	99	U	2,2-Dichloropropane	50	99	U
n-Propylbenzene	50	99	U	Methyl ethyl ketone	496	992	U
o-Xylene	50	99	U	2-Chlorotoluene	50	99	U
sec-Butylbenzene	50	99	U	2-Hexanone	496	992	U
Styrene	50	99	U	4-Chlorotoluene	50	99	U
tert-Butylbenzene	50	99	U	4-Isopropyltoluene	50	99	U
Tetrachloroethene	50	99	U	4-Methyl-2-pentanone	496	992	U
Tetrahydrofuran	248	496	U	Acetone	496	992	U
Toluene	50	99	U	Benzene	50	99	U
trans-1,2-Dichloroethene	50	99	U	Bromobenzene	50	99	U
trans-1,3-Dichloropropene	50	99	U	Bromochloromethane	50	99	U
Trichloroethene	50	99	U	Bromodichloromethane	50	74	U
Trichlorofluoromethane	50	99	U	Bromoform	50	74	U
Vinyl chloride	50	99	U	Bromomethane	50	99	U
Xylenes (total)	50	99	U	Carbon Disulfide	50	99	U
1,1,1,2-Tetrachloroethane	50	99	U	Carbon tetrachloride	50	99	U
1,1,1-Trichloroethane	50	99	U	Chlorobenzene	50	99	U
1,1,2,2-Tetrachloroethane	50	74	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	50	74	U	(TIC) n-Hexane	NA	NA	NF

Surrogate Standard Recovery

Bromofluorobenzene 86%

d4-1,2-Dichloroethane 90%

d8-Toluene 92%

U=Undetected

J=Estimated

E=Exceeds Calibration Range

B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound. NF=Not Found using NIST library search criteria. Sample collection and analysis in accordance with SW-846 method 5035A.

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April 12, 2011

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Sprague Energy

Project Number: 042011

Field Sample ID: #3 Blank

Lab Sample ID: 69447-3

Matrix: Solid

Percent Solid: 100

Dilution Factor: 100

Collection Date: 04/06/11

Lab Receipt Date: 04/06/11

Analysis Date: 04/08/11

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Limit of Detection (LOD) $\mu\text{g/kg}$	Limit of Quantitation (LOQ) $\mu\text{g/kg}$	Result $\mu\text{g/kg}$	COMPOUND	Limit of Detection (LOD) $\mu\text{g/kg}$	Limit of Quantitation (LOQ) $\mu\text{g/kg}$	Result $\mu\text{g/kg}$
Chloroethane	50	100	U	1,1-Dichloroethane	50	100	U
Chloroform	50	75	U	1,1-Dichloroethene	50	75	U
Chloromethane	50	100	U	1,1-Dichloropropene	50	100	U
cis-1,2-Dichloroethene	50	100	U	1,2,3-Trichlorobenzene	50	100	U
cis-1,3-Dichloropropene	50	100	U	1,2,3-Trichloropropane	50	100	U
Dibromochloromethane	50	75	U	1,2,4-Trichlorobenzene	50	100	U
Dibromomethane	50	100	U	1,2,4-Trimethylbenzene	50	100	U
Dichlorodifluoromethane	50	100	U	1,2-Dibromo-3-chloropropane	50	100	U
Ethylbenzene	50	100	U	1,2-Dibromoethane	50	75	U
Freon-113	50	100	U	1,2-Dichlorobenzene	50	100	U
Hexachlorobutadiene	50	100	U	1,2-Dichloroethane	50	75	U
Isopropyl benzene	50	100	U	1,2-Dichloropropane	50	75	U
m,p-Xylene	50	100	U	1,3,5-Trimethylbenzene	50	100	U
Methyl-tert-butyl ether (MTBE)	50	75	U	1,3-Dichlorobenzene	50	100	U
Methylene chloride	250	500	U	1,3-Dichloropropane	50	100	U
Naphthalene	50	100	U	1,4-Dichlorobenzene	50	100	U
n-Butylbenzene	50	100	U	2,2-Dichloropropane	50	100	U
n-Propylbenzene	50	100	U	Methyl ethyl ketone	500	1000	U
o-Xylene	50	100	U	2-Chlorotoluene	50	100	U
sec-Butylbenzene	50	100	U	2-Hexanone	500	1000	U
Styrene	50	100	U	4-Chlorotoluene	50	100	U
tert-Butylbenzene	50	100	U	4-Isopropyltoluene	50	100	U
Tetrachloroethene	50	100	U	4-Methyl-2-pentanone	500	1000	U
Tetrahydrofuran	250	500	U	Acetone	500	1000	U
Toluene	50	100	U	Benzene	50	100	U
trans-1,2-Dichloroethene	50	100	U	Bromobenzene	50	100	U
trans-1,3-Dichloropropene	50	100	U	Bromochloromethane	50	100	U
Trichloroethene	50	100	U	Bromodichloromethane	50	75	U
Trichlorofluoromethane	50	100	U	Bromoform	50	75	U
Vinyl chloride	50	100	U	Bromomethane	50	100	U
Xylenes (total)	50	100	U	Carbon Disulfide	50	100	U
1,1,1,2-Tetrachloroethane	50	100	U	Carbon tetrachloride	50	100	U
1,1,1-Trichloroethane	50	100	U	Chlorobenzene	50	100	U
1,1,2,2-Tetrachloroethane	50	75	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	50	75	U	(TIC) n-Hexane	NA	NA	NF
Surrogate Standard Recovery							
Bromofluorobenzene	96%	d4-1,2-Dichloroethane	102%	d8-Toluene	94%		
U=Undetected	J=Estimated	E=Exceeds Calibration Range	B=Detected in Blank				

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B. Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound. NF=Not Found using NIST library search criteria. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature



2 Williams Street
Chelsea, MA 02150
Phone: (617) 889-6515

Page 1 of 1
P.O. No: Quote No:

[illegible]

Comments: ④ Vials state "Everett-148-1" and "Everett-148-2" awaiting client's response - 4/6/11
↳ labels are correct, COC should read "Everett-148-1" and "Everett-148-2" - See email 4/11/11

COC Doc No: _____ Page _____ of _____

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 69447
 CLIENT: INSPECTORATE
 PROJECT: SPRAGUE

COOLER NUMBER: 132
 NUMBER OF COOLERS: 1
 DATE RECEIVED: 4/6/11

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 4/6/11
 Date Received: 4/6/11

1. Cooler received by (initials): JG

2. Circle one: Hand delivered
 (If so, skip 3)

Shipped

3. Did cooler come with a shipping slip?

Y N

3a. Enter carrier name and airbill number here: _____

4. Were custody seals on the outside of cooler?

Y N

How many & where: _____ Seal Date: _____

Seal Name: _____

5. Did the custody seals arrive unbroken and intact upon arrival?

Y N/A

6. COC# _____

7. Were Custody papers filled out properly (ink, signed, etc)?

Y N

8. Were custody papers sealed in a plastic bag?

Y N

9. Did you sign the COC in the appropriate place?

Y N

10. Was the project identifiable from the COC papers?

Y N

11. Was enough ice used to chill the cooler?

Y N

Temp. of cooler: _____

5.3°

B. Log-In: Date samples were logged in: _____

4/6/11

By: JG

12. Type of packing in cooler (bubble wrap, popcorn)

Y N

13. Were all bottles sealed in separate plastic bags?

Y N

14. Did all bottles arrive unbroken and were labels in good condition?

Y N

15. Were all bottle labels complete (ID, Date, time, etc.)

Y N

16. Did all bottle labels agree with custody papers?

Y N

CO 4/6/11 N see COC

17. Were the correct containers used for the tests indicated?

Y N

18. Were samples received at the correct pH?

Y N/A

19. Was sufficient amount of sample sent for the tests indicated?

Y N

20. Were all samples submitted within holding time?

Y N

21. Were bubbles absent in VOA samples?

Y N/A

If NO, List Sample ID's and Lab #s: _____

22. Laboratory labeling verified by (initials): _____

CP

Date: _____

4/6/11